

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

Attorney Docket No. 5649-919

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled
Semiconductor Capacitors Having Tantalum Oxide Layers and Methods for Manufacturing the Same.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate, or of any PCT International application having a filing date before that of the application on which priority is claimed.

01-3165	Korea	01/19/2001	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Number	Country	MM/DD/YYYY Filed	Priority Claimed
			<input type="checkbox"/> Yes <input type="checkbox"/> No
Number	Country	MM/DD/YYYY Filed	Priority Claimed
			<input type="checkbox"/> Yes <input type="checkbox"/> No
Number	Country	MM/DD/YYYY Filed	Priority Claimed

ENGLISH LANGUAGE DECLARATION CONTINUED

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following registered attorney(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Customer Number 20792

I hereby authorize the above-named attorneys to accept and follow instructions from my Korean or United States representatives, Samsung Electronics, as to any action to be taken in the U.S. Patent and Trademark Office regarding this application without direct communication between the above-named attorneys and myself. In the event of a change in the persons from whom instructions may be taken, I will notify the above-named attorneys.

Send correspondence to: Robert J. Smith



20792

PATENT TRADEMARK OFFICE

Direct telephone calls to: Robert J. Smith
(919) 854-1400

Facsimile: (919) 854-1401

Full name of first inventor: Jeong-hee Chung

Inventor's Signature: Jeong-Hee Chung Date: 2001. 11. 29

Residence: 120-139, Chegil-dong, Dongdaemun-gu, Seoul, Republic of Korea

Citizenship: Republic of Korea

Post Office Address:

ENGLISH LANGUAGE DECLARATION CONTINUED

Full name of second inventor: In-sung Park

Inventor's
Signature: In-Sung Park Date: 2001. 11. 29

Residence: 102-501, Samsung Apt, 1509-1, Seocho3-dong, Seocho-gu, Seoul,
Republic of Korea

Citizenship: Republic of Korea

Post Office Address:

Full name of third inventor: Jae-hyun Yeo

Inventor's
Signature: Jae-hyun Yeo Date: 2001. 11. 29

Residence: 108-803, Jugong1-danji, Pugae-dong, Pupyung-gu, Incheon-city,
Republic of Korea

Citizenship: Republic of Korea

Post Office Address:

ASSIGNMENT RECORDATION FORM COVER SHEET *Patents Only*

To the Honorable Commissioner of Patents and Trademarks:

Date: **January 15, 2002**
Attorney Docket No. **5649-919**

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

**Jeong-Hee Chung
In-Sung Park
Jae-Hyun Yeo**

2. Name and address of receiving party(ies):

**Samsung Electronics Co., Ltd.
416 Maetan-dong, Paldal-gu
Suwon-City, Kyungki-do
Republic of Korea**

22141 U.S. PTO
10/808141



032504

Additional name(s) of conveying party(ies) attached? Yes ☒ No

3. Nature of conveyance:

☒ Assignment
☐ Merger
☐ Security Agreement
☐ Change of Name
☐ Other _____

Execution Date: **January 15, 2002**

Additional name(s) & address(es) attached? Yes ☒ No

COPY

4. Application Serial No. _____ Patent No. _____

If this document is being filed together with a new application, the execution date of the application is: **January 15, 2002**

Additional numbers attached? Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

**Robert J. Smith
Myers Bigel Sibley & Sajovec
P. O. Box 37428
Raleigh NC 27627**

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) **\$40.00**
☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number: **50-0220**

DO NOT USE THIS SPACE

9. Statement and signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Robert J. Smith
Name of Person Signing

Robert J. Smith
Signature

1-15-01
Date

Total number of pages including cover sheet, attachments and document: **3**

ASSIGNMENT

THIS ASSIGNMENT, made by us, **Jeong-hee Chung**, citizen of the Republic of Korea, residing at 120-139, Chegil-dong, Dongdaemun-gu, Seoul, Rep. Of Korea; **In-sung Park**, citizen of the Republic of Korea, residing at 102-501, Samsung Apt, 1509-1, Seocho3-dong, Seocho-gu, Seoul, Republic of Korea; **Jae-hyun Yeo**, 108-803, Jugoing1-danji, Pugae-dong, Pupyung-gu, Incheon-city, Republic of Korea;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **A SEMICONDUCTOR CAPACITORS HAVING TANTALUM OXIDE LAYERS AND METHODS FOR MANUFACTURING THE SAME** for which an application for United States Letters Patent has been filed, or is being filed concurrently, in the United States Patent and Trademark Office. We hereby authorize and request Myers Bigel Sibley & Sajovec, P.A., to insert here in parentheses (Application No. _____, filed _____) the filing date and application number of said application when known or to file this Assignment concurrently with the application, and

WHEREAS, **Samsung Electronics Co., Ltd.**, a Korean corporation having a principal place of business at 416 Maetan-dong, Paldal-gu, Suwon-City, Kyungki-do, Republic of Korea, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer and convey unto the said assignee, its successors and assigns, the entire right, title and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to bind our heirs, legal representatives and assigns, promptly to communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns and other legal representatives.

IN WITNESS WHEREOF, we have hereunto set our hands and seals on this 29th day of November, 2001.

Jeong - Hee Chung
Jeong-hee Chung

In - Sung Park
In-sung Park

Jae-Hyun Yeo
Jae-hyun Yeo

Witnessed by:

Date: _____

Date: _____